

ABSTRACT

Partial cDNA sequences of target genes are obtained by performing RT-PCR with the use of an oligonucleotide primer designed based on a human genome sequence containing novel G protein-coupled receptor genes identified within a database. Further, full-length cDNAs of these genes are successfully isolated by the 5'-RACE method and 3'-RACE method, with the use of a human testis-origin cDNA library as a template. The proteins encoded by thus isolated genes have the characteristics of known olfactory receptor (OR) gene family. Moreover, the expression properties of them suggest that these genes may have functions relating to immune response and hemopoiesis.

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